



ENFORCER Products, Inc.
P.O. Box 1060
Cartersville, GA 30120
1-888-805-HELP

Material Safety Data Sheet AND SAFE HANDLING DISPOSAL INFORMATION

Section 1. Chemical Product and Company Identification

Product Name Glass Cleaner
Product Code HD1120-6/32/128 CN1120-32/128
Formula No. F1120
Date of issue 11/15/02 **Supersedes** 02/22/02

Emergency telephone number For MSDS Information:
Compliance Services (404) 352-1680

For a Medical Emergency: Toll Free
INFOTRAC (877) 541-2016 (Calls Recorded)

For a Transportation Emergency: Toll Free
CHEMTREC (800) 424-9300 (Calls Recorded)

Prepared by Compliance Services Group
Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
1) ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol	67-63-0	1-10	ACGIH/OSHA (United States). TWA: 400 ppm STEL: 500 ppm
2) ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	1-10	ACGIH TLV (United States). Skin TWA: 20 ppm Form: Vapor OSHA PEL (United States). Skin TWA: 25 ppm Form: Vapor

Section 3. Hazards Identification

Acute Effects

Routes of Entry Absorbed through skin. Eye contact. Inhalation.
Ingestion.

Eyes Hazardous in case of eye contact (irritant).

Skin Slightly hazardous in case of skin contact (irritant, permeator). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation Slightly hazardous in case of inhalation. May cause respiratory tract irritation.

Ingestion Hazardous in case of ingestion.

Chronic Effects Slightly hazardous in case of skin contact (permeator).

The substance may be toxic to blood, liver and kidneys.

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

See Toxicological Information (section 11)

HMIS

Health	1
Fire Hazard	2
	0
Personal Protection	B

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

Skin Contact Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms persist.

Ingestion If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

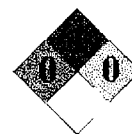
Flash Point CLOSED CUP: 43°C (109.4°F).

Flammable Limits The greatest known range is
LOWER: 1.19% UPPER: 12.7%

Flammability Combustible Liquid.

Fire Hazard Not applicable.

Fire-Fighting Procedures SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.



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Section 6. Accidental Release Measures

Spill Clean up Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7. Handling and Storage

Handling Do not ingest. Avoid breathing vapors or spray mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection**Personal Protection**

Eyes Safety glasses.

Body Gloves: Protective gloves should be worn under normal conditions of use.

Respiratory A respirator is not needed under normal and intended conditions of product use.

Protective Clothing (Pictograms)

Section 9. Physical and Chemical Properties

Physical State	Liquid.	Color	Blue. (Light.)
pH	9.5-10.5	Odor	Pleasant.
Boiling Point	205F	Vapor Pressure	Not available.
Specific Gravity	0.97 (Water = 1)	Vapor Density	Not available.
VOC (Consumer)	74 (g/l). 7.5%	Evaporation Rate	= 1.0 (Water)
Solubility	Easily soluble in cold water, hot water.		

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility None identified.

Hazardous Decomposition Products These products are carbon oxides (CO, CO₂).

Hazardous Polymerization Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	ISOPROPYL ALCOHOL:	
	ORAL (LD50):	Acute: 5045 mg/kg [Rat].
	2-Butoxyethanol:	
	ORAL (LD50):	Acute: 1746 mg/kg [Rat].

Section 12. Ecological Information

Ecotoxicity Not available.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Not available.

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name	Not regulated
DOT Classification	Not a DOT controlled material (United States).
UN number	Not applicable.
TDG Classification	CLASS 3: Flammable liquid.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting: Ethylene glycol monobutyl ether
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 regulated toxic substances: Ethylene glycol monobutyl ether

State Regulations California prop. 65: No products were found.

WHMIS (Canada) CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
CLASS D-2B: Material causing other toxic effects (TOXIC).

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.